



WEEKLY EARNINGS OF EMPLOYEES (DISTRIBUTION) AUSTRALIA, AUGUST 1983

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EXPLANATORY NOTES

Introduction

In association with the August 1983 labour force survey conducted throughout Australia, employed wage and salary earners were asked about their weekly earnings and frequency of pay. For the sake of brevity, wage and salary earners are referred to in the tables as 'employees'.

2. During the two weeks beginning Monday 8 August 1983, specially trained interviewers asked the questions of those of the 70,000 respondents in the August labour force survey who fell within the scope of this survey.

3. Results of similar surveys, first conducted in 1975, have been published in *Weekly Earnings of Employees (Distribution), Australia* (6310.0). Tables included in previous issues of this publication but not included in this issue, particularly those including a detailed occupation classification, are available on request.

Scope

4. The survey included all civilians aged fifteen years and over who were employed as wage and salary earners in their main job, except:

- (a) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- (b) overseas residents in Australia;
- (c) members of non-Australian defence forces (and their dependants) stationed in Australia;
- (d) students boarding at school, persons permanently unable to work, some patients in hospitals and sanatoria, inmates of jails, reformatories, etc.; and
- (e) persons on workers' compensation.

Definitions

5. *Weekly earnings* referred to the amount of 'last total pay' prior to the interview (i.e. before taxation and other deductions had been made). For persons paid other than weekly, earnings were converted to a weekly equivalent. No adjustment was made for any back payment of wage increases or pre-payment of leave, etc.

6. *Median weekly earnings* is the amount which divides the distribution of individuals into two equal groups, one having earnings above and the other below that amount. Medians were calculated from grouped data, the class intervals in some cases being finer than those published in the tables. Linear interpolation was used within the class interval in which the median fell.

7. *Mean weekly earnings* is the amount obtained by dividing the total earnings of a group by the number of units in that group.

8. The *main job* was defined as the job at which most hours were worked during the survey week (i.e. the week before the interview week). The *second job* was defined to include all remaining wage and salary earner jobs in which some hours were worked during the survey week. A person who held more than one job was classified to the industry and occupation of the main job. Service in the reserve defence forces was not regarded as a second job. Persons who by the nature of their employment worked for more than one employer, e.g. domestics, odd-job men, baby-sitters, etc., were not counted as having a second job unless they also held another job of a different kind, nor were those who worked for more than one employer solely by reason of changing jobs during the survey week.

9. *Hours paid for* referred to the number of hours for which an employee was paid and not necessarily to the number of hours actually worked (e.g. an employee on paid leave for the week was asked to report the number of hours for which he was paid).

10. *Hours worked* referred to actual hours worked during the survey week, not necessarily hours paid for. Thus, if a person had been on leave for the whole week, hours worked would have been recorded as nil.

11. *Full-time employees* are those who *usually* worked 35 hours a week or more (in all jobs) and others who, although usually part-time employees, worked 35 hours or more during the survey week. It should be noted that some full-time employees may have worked or been paid for less than a full week. *Part-time employees* are those who usually worked less than 35 hours a week and who did so during the survey week. When recording hours of work, fractions of an hour were disregarded.

Comparability of series

12. Caution should be exercised when comparing the estimates in this publication with those included in the quarterly publication *Average Weekly Earnings, States and Australia* (6302.0) which are compiled from a survey of employers. There are important differences in the scope of and methodology used in the two surveys. The quarterly survey of average weekly earnings excludes employees in the industries of Agriculture, Forestry, Fishing and Hunting (ASIC Division A) and Private Households Employing Staff (ASIC Sub-division 94) both of which are included in the August household survey. Data from the quarterly survey of average weekly earnings are collected from employers who fill in a mailed questionnaire giving details of their employees' weekly earnings. For the August household survey, respondents are either interviewed personally at their dwelling or another adult member of their household responds on their behalf.

Reliability of the estimates

13. Estimates in this publication are subject to two sources of error:

- (a) *sampling error*: since the estimates are based on information obtained from occupants of a sample of dwellings they are subject to sampling variability; that is they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*. More information about this topic and tables of estimated standard errors for this survey will be found in the Technical note.
- (b) *non-sampling error*: inaccuracies may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures. In many cases the answer to the question on earnings was based on the knowledge of one person (generally the housewife). Respondents were asked to indicate the amount of earnings in terms of ranges. (The earnings ranges used are those shown in Table 3.) It is considered that there may be some understatement in the estimates because of imperfect recall of minor or irregular sources of earnings. Other errors may be due to genuine misunderstanding.

Related publications

14. Other ABS publications which may be of interest include:

Average Weekly Earnings, Australia, (Preliminary) (6301.0), and final publication (6302.0)—*issued quarterly*

Earnings and Hours of Employees, Distribution and Composition, Australia (Preliminary) (6305.0), and final publication (6306.0)—sample survey conducted in May (now once every two years).

Income Distribution, Australia, 1978-79:

Individuals (Preliminary) (6501.0), and final (6502.0)

Supplementary Tables (6504.0)

Income of Individuals, Australia, 1981-82 (Preliminary) (6501.0), and final (6502.0)

Award Rates of Pay Indexes, Australia (6312.0)—*issued monthly*

The Labour Force, Australia (6203.0)—*issued monthly*.

15. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the following few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- * subject to sampling variability too high for most practical uses. See paragraph 13 above
- .. not applicable
- n.e.c. not elsewhere classified

16. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

R. J. CAMERON
Australian Statistician

SUMMARY OF FINDINGS

In August 1983, mean weekly earnings for all employees in all jobs stood at \$288, an increase of 6.3 per cent over August 1982, and 60.0 per cent since August 1978, the first year for which comparable estimates are available. For all full-time employees the corresponding estimates were \$318, 6.4 per cent and 62.2 per cent respectively. For full-time male employees, mean weekly earnings rose by

5.9 per cent from August 1982 (\$322) to August 1983 (\$341) and 62.4 per cent from August 1978 (\$210) to August 1983 whereas for full-time females the corresponding estimates were 9.0 per cent (\$245 to \$267) and 64.8 per cent (\$162 to \$267). These increases in the year ended August 1983 were the lowest since the year ended August 1979.

DIAGRAM 1. ALL EMPLOYEES : ANNUAL CHANGE IN MEAN WEEKLY EARNINGS AND FULL-TIME OR PART-TIME STATUS
(Source data : Table 2)

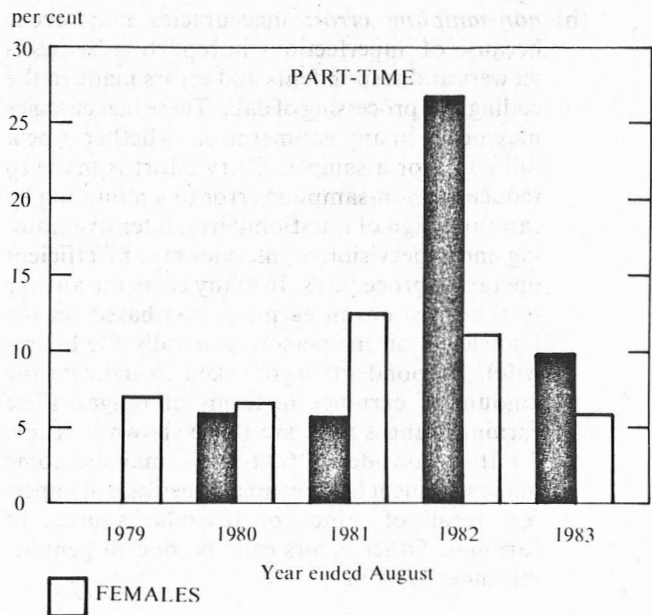
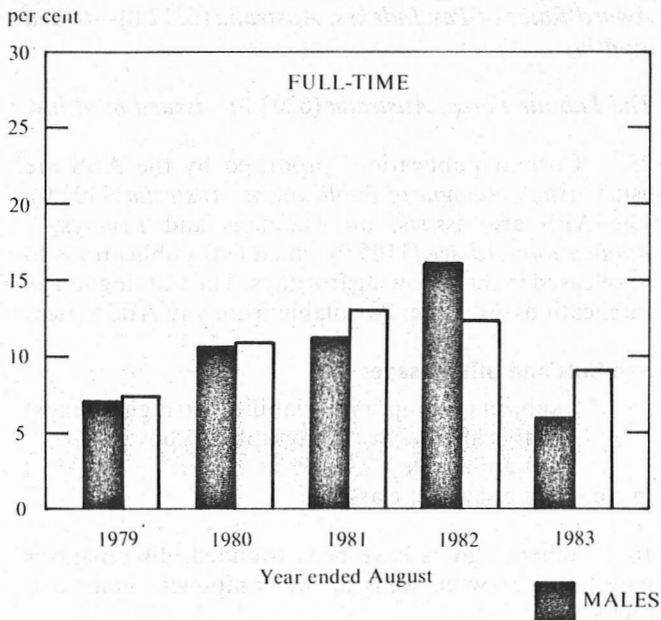
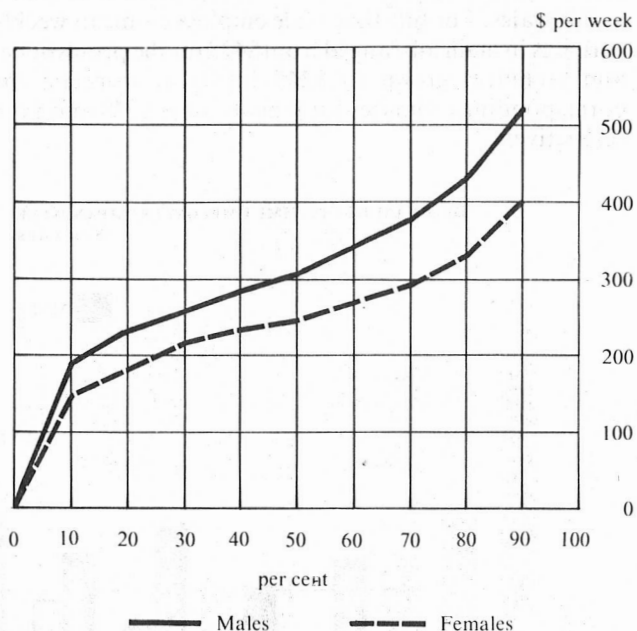
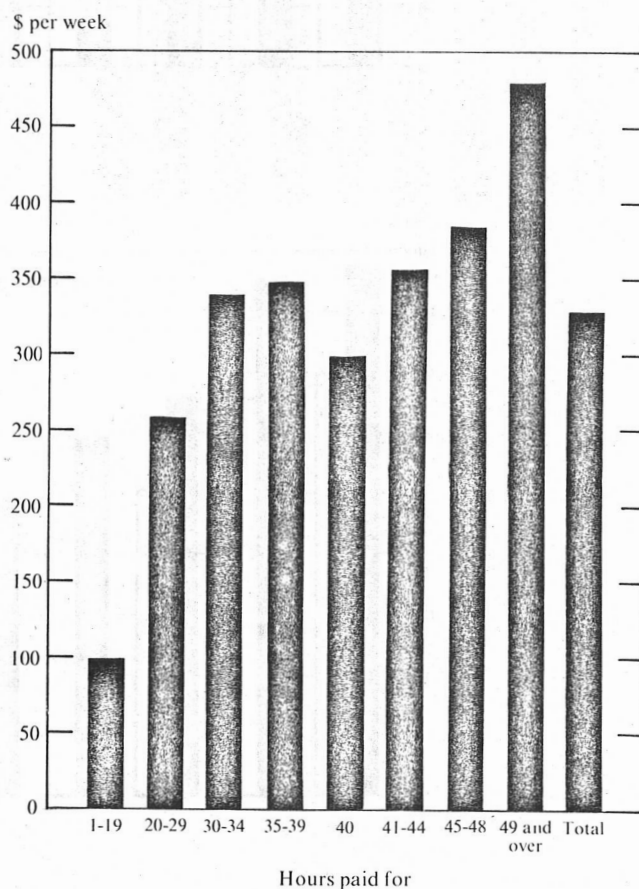


DIAGRAM 2. FULL-TIME EMPLOYEES : DECILES OF WEEKLY EARNINGS IN MAIN JOB
(Source data : Table 1)



For full-time employees, mean weekly earnings in main job was \$340 for males and \$266 for females. However, 50 per cent of males earned less than \$308 per week and 50 per cent of females earned less than \$249 per week (the median earnings estimates). The highest paid 10 per cent of males earned \$517 or more which was 30 per cent more than the \$398 earned by the highest paid 10 per cent of females. There was a similar difference between the mean weekly earnings of the lowest paid 10 per cent males (\$188) and females (\$145).

DIAGRAM 3. MALE EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND HOURS PAID FOR
(Source data : Table 6)

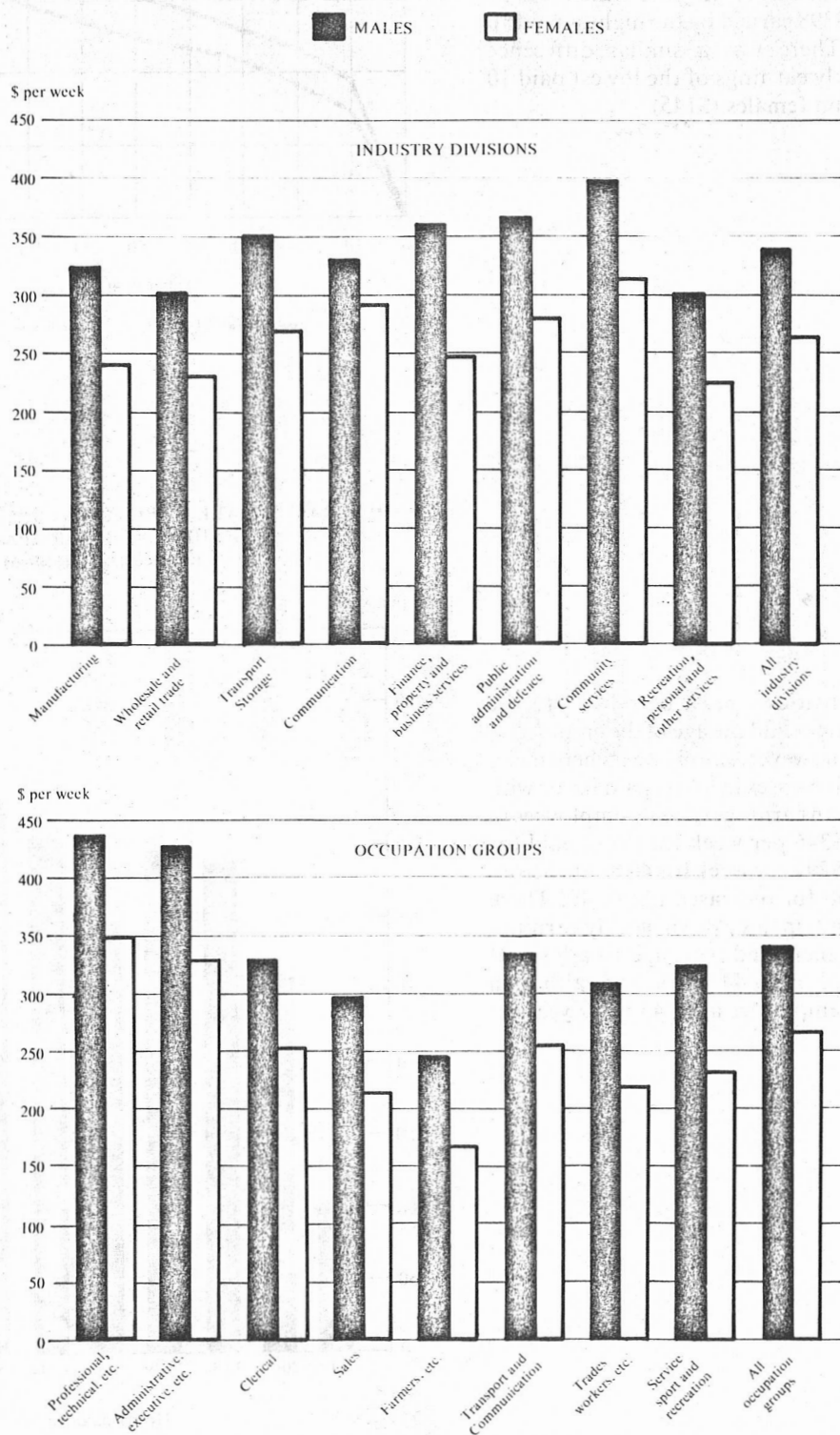


Mean earnings obviously must be related to the hours employees are paid for and the age of the employees. The relationship is not, however, simply one where mean earnings increases with increases in hours paid for or with age. In August 1983, mean earnings of male employees in their main job rose to \$346 per week for those paid for 35-39 hours then fell to \$297 per week for 40 hours before increasing as hours paid for increased above 40. There was a similar pattern for females. Mean weekly earnings of full-time employees increased with age to a level of \$359 for employees aged 35 to 44 years, and, although lower, were similar for employees aged 45 to 59 years.

Amongst occupation groups, professional and technical employees had the highest earnings and farm, etc. workers the lowest, and this occurred for both males and females. For full-time male employees, mean weekly earnings in main job ranged from \$438 for the professional and technical group to \$245 for farm workers; the corresponding estimates for females were \$349 and \$168 respectively.

Across industry divisions, full-time male employees had the highest mean weekly earnings in mining (\$465) and the lowest in agriculture, forestry, fishing and hunting (\$239), but for females the highest earnings were recorded for community services (\$314) and lowest for recreation, personal and other services (\$225). For all occupation groups and industry divisions males had higher mean weekly earnings than females.

DIAGRAM 4. FULL-TIME EMPLOYEES : MEAN WEEKLY EARNINGS, INDUSTRY AND OCCUPATION IN MAIN JOB
(Source data : Tables 12 and 13)



Frequency of pay

Over half (51.3 per cent) of all employees were paid weekly in their main job, with 39.2 per cent paid fortnightly and 7.5 per cent paid monthly. Frequency of

pay varied markedly across States and Territories, occupation groups and industry divisions but generally more females (43.6 per cent) than males (36.4 per cent) were paid fortnightly.

DIAGRAM 5. ALL EMPLOYEES : FREQUENCY OF PAY

(Source data : Table 15)

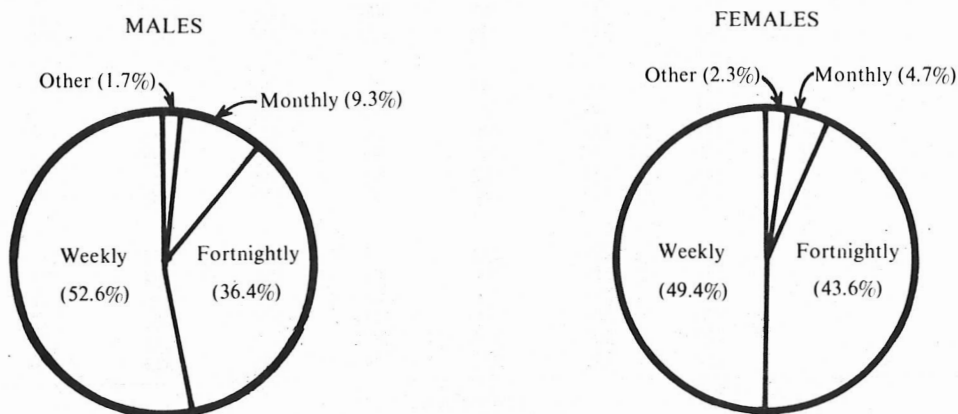


TABLE 1. FULL-TIME EMPLOYEES: DECILES(a) OF WEEKLY EARNINGS IN MAIN JOB, AUSTRALIA, AUGUST 1983

Per cent of individuals earning below the levels shown	Aged 20 years and over			Total all ages		
	Males	Females	Persons	Males	Females	Persons
	—dollars—					
10	216	176	198	188	145	170
20	245	208	232	232	182	217
30	268	229	253	257	212	241
40	292	244	274	282	232	263
50	316	261	299	308	249	287
60	351	278	327	341	269	315
70	389	306	367	380	294	356
80	441	347	413	429	331	404
90	524	408	501	517	398	491

(a) Calculated from grouped data using linear interpolation.

TABLE 2. ALL EMPLOYEES: FULL-TIME OR PART-TIME STATUS AND MEAN WEEKLY EARNINGS IN ALL JOBS
AUGUST 1978 TO 1983
(dollars)

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
MALES									
<i>Full-time—</i>									
1978	214	209	206	197	212	197	241	263	210
1979	230	223	216	214	227	208	279	285	225
1980	255	245	241	237	253	239	308	300	249
1981	282	273	271	259	283	266	342	334	277
1982	328	317	315	304	326	292	375	394	322
1983	346	335	338	323	347	323	404	416	341
<i>Part-time—</i>									
1978	111	96	97	76	91	110	*	86	100
1979	106	98	95	73	108	80	*	*	100
1980	108	102	109	84	121	116	*	101	106
1981	129	99	107	93	104	88	*	110	112
1982	166	138	112	93	148	153	*	127	142
1983	177	147	145	144	125	141	230	131	156
<i>Total—</i>									
1978	209	202	202	192	206	194	234	255	205
1979	223	217	211	207	221	204	271	278	219
1980	249	238	235	230	247	236	301	289	243
1981	274	264	265	251	274	260	337	320	269
1982	319	307	305	293	317	288	371	378	311
1983	336	325	328	314	335	313	398	396	331
FEMALES									
<i>Full-time—</i>									
1978	164	162	156	160	161	149	177	186	162
1979	177	174	166	169	173	168	182	200	174
1980	196	192	188	190	192	183	211	221	193
1981	220	216	211	216	214	211	253	263	218
1982	248	245	237	239	243	237	285	292	245
1983	268	268	260	260	264	259	304	309	267
<i>Part-time—</i>									
1978	93	80	79	82	70	73	103	100	84
1979	96	88	84	85	82	85	108	108	90
1980	101	96	90	90	88	90	140	107	96
1981	114	105	104	102	100	102	136	122	108
1982	126	117	118	116	112	107	137	149	120
1983	132	124	127	132	114	124	127	157	127
<i>Total—</i>									
1978	143	137	129	131	129	120	155	162	137
1979	151	147	141	138	139	139	162	171	146
1980	166	161	153	155	151	151	192	187	161
1981	185	184	173	174	169	173	219	218	181
1982	208	204	198	193	192	189	239	244	202
1983	223	221	214	209	207	207	271	259	219
PERSONS									
<i>Full-time—</i>									
1978	199	194	192	187	197	185	226	236	196
1979	214	208	202	201	212	197	256	257	210
1980	238	228	226	224	236	224	281	273	233
1981	264	255	255	246	263	251	318	310	259
1982	304	294	293	285	302	277	346	360	299
1983	321	314	315	305	323	305	369	377	318
<i>Part-time—</i>									
1978	97	84	82	81	74	79	103	98	87
1979	98	90	86	83	86	84	105	115	92
1980	102	97	93	89	94	93	138	106	97
1981	117	104	105	100	101	100	143	119	108
1982	134	122	117	112	118	114	148	145	125
1983	142	128	131	134	116	127	150	151	133
<i>Total—</i>									
1978	184	178	175	168	178	169	210	216	180
1979	197	191	186	181	191	180	240	235	192
1980	218	208	205	202	210	206	264	247	212
1981	241	233	231	222	234	229	297	277	236
1982	278	267	265	255	268	252	319	323	271
1983	292	284	285	273	285	274	349	336	288

TABLE 3. ALL EMPLOYEES: WEEKLY EARNINGS IN ALL JOBS AND FULL-TIME OR PART-TIME STATUS, AUGUST 1983

	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>
MALE FULL-TIME EMPLOYEES									
<i>Weekly earnings (\$)—</i>	<i>—'000—</i>								
Under 120	18.3	21.6	15.8	8.7	7.5	2.5	2.3	2.9	75.5
120 and under 160	35.5	24.7	19.0	8.9	10.1	3.3			
160 " 180	28.0	22.4	9.5	6.5	8.6	2.7	1.5	2.5	80.1
180 " 220	66.0	54.2	36.1	19.1	16.0	7.5			
220 " 240	73.9	63.9	34.6	21.5	17.1	7.6	2.9	2.6	202.8
240 " 280	157.9	147.9	79.3	47.5	41.7	12.8			
280 " 320	154.6	125.5	68.4	40.5	42.3	14.8	5.2	6.0	457.3
320 " 380	170.6	125.2	70.6	37.7	38.3	10.4	3.6	5.8	462.3
380 " 420	98.5	66.8	44.1	20.7	22.2	7.1	3.1	4.5	267.0
420 " 480	75.6	58.0	29.0	16.6	19.7	5.3	3.2	4.0	211.4
480 " 520	53.8	33.6	15.9	9.7	14.8	3.5	1.9	3.7	136.9
520 " 580	48.6	32.8	18.4	11.2	13.5	2.7	2.8	6.5	136.5
580 and over	56.6	36.1	25.0	9.7	15.6	3.3	4.5	8.3	159.0
<i>Total</i>	<i>1,037.9</i>	<i>812.7</i>	<i>465.8</i>	<i>258.2</i>	<i>267.4</i>	<i>83.2</i>	<i>30.9</i>	<i>52.5</i>	<i>3,008.7</i>
	<i>—dollars—</i>								
Median earnings	316	303	303	297	311	294	380	387	309
Mean earnings	346	335	338	323	347	323	404	416	341
FEMALE FULL-TIME EMPLOYEES									
<i>Weekly earnings (\$)—</i>	<i>—'000—</i>								
Under 120	19.2	16.1	13.3	5.0	5.7	2.3	2.0	3.4	62.9
120 and under 160	37.0	28.6	17.1	10.3	10.6	2.9			
160 " 180	27.9	24.7	12.5	6.1	6.7	2.4	2.6	2.5	82.4
180 " 220	57.7	57.8	23.6	13.9	14.7	4.1			
220 " 240	59.5	45.1	23.3	12.3	15.8	4.1	3.2	3.0	176.0
240 " 280	99.6	73.1	38.4	23.5	20.7	6.6			
280 " 320	61.0	44.1	23.1	12.0	12.5	3.7	2.7	4.6	163.7
320 " 380	50.2	36.1	17.5	8.7	10.1	2.3	2.6	3.0	130.5
380 " 420	22.8	15.9	7.5	5.4	5.5	1.7	3.3	*	60.8
420 " 480	14.7	15.5	5.2	3.1	3.4	4.4		2.4	46.3
480 " 520	10.8	3.8	4.3	3.2		1.7	3.3		
520 " 580	5.0	4.9					2.9	20.7	
580 and over	4.5	5.7	2.7	3.2	4.4	1.7			3.3
<i>Total</i>	<i>469.7</i>	<i>371.1</i>	<i>188.5</i>	<i>103.7</i>	<i>110.2</i>	<i>31.7</i>	<i>16.4</i>	<i>29.4</i>	<i>1,320.6</i>
	<i>—dollars—</i>								
Median earnings	254	247	245	247	243	241	286	277	250
Mean earnings	268	268	260	260	264	259	304	309	267

TABLE 3. ALL EMPLOYEES: WEEKLY EARNINGS IN ALL JOBS AND FULL-TIME OR PART-TIME STATUS, AUGUST 1983-continued

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
MALE PART-TIME EMPLOYEES(a)									
Weekly earnings (\$)—									
	—'000—								
Under 40	15.4	14.2	7.9	4.3	5.7	*	*	1.5	50.3
40 and under 80	7.8	8.9	4.1	2.3	2.6	} 1.3 {	}	}	27.1
80 " 120	6.6	4.3	*	*	*				17.0
120 " 160	7.8	} 6.5 {	2.6	} 3.1 {	2.0	} 1.7 {	}	}	17.0
160 " 220	7.9		2.9						18.3
220 and over	19.2	12.5	6.6	2.0	2.7	*			45.0
Total	64.7	46.4	25.8	13.4	14.8	4.5	*	4.0	174.7
—dollars—									
Median earnings	133	81	101	81	62	128	*	65	103
Mean earnings	177	147	145	144	125	141	*	131	156
FEMALE PART-TIME EMPLOYEES(a)									
Weekly earnings (\$)—									
	—'000—								
Under 40	37.7	30.4	18.9	8.7	11.9	2.5	} 2.1 {	1.8	112.7
40 and under 60	19.4	20.0	10.1	6.1	8.2	1.7		} 2.1 {	66.9
60 " 80	22.0	14.6	8.1	4.6	7.7	2.2			60.2
80 " 120	35.6	33.4	17.6	14.1	13.7	4.5	} 1.6 {	2.1	121.9
120 " 160	40.1	29.2	14.5	13.2	11.2	3.6		1.8	114.0
160 " 180	16.3	15.9	8.0	5.4	5.2	1.5	}	2.0	54.5
180 " 220	23.0	14.2	9.8	7.4	4.3	1.8		2.0	62.8
220 and over	34.8	21.9	13.8	9.4	6.2	1.6		2.7	91.0
Total	228.9	179.7	100.8	68.9	68.3	19.4	3.8	14.3	684.0
—dollars—									
Median earnings	120	110	110	123	99	109	109	148	113
Mean earnings	132	124	127	132	114	124	127	157	127
ALL PERSONS									
Weekly earnings (\$)—									
	—'000—								
Under 40	57.3	47.9	29.5	14.7	18.5	3.6	*	3.3	176.0
40 and under 80	54.6	51.0	27.7	15.0	20.7	4.9	*	3.3	177.6
80 " 120	70.1	64.7	40.4	25.8	25.7	9.1	1.7	3.4	240.9
120 " 160	120.4	85.7	53.1	33.4	32.8	10.7	2.0	4.3	342.4
160 " 180	76.6	64.1	30.7	19.0	20.9	6.9	2.5	4.5	225.3
180 " 220	150.1	128.3	71.6	41.4	35.6	13.9	3.3	7.3	451.6
220 " 240	146.4	115.7	64.4	37.8	34.9	12.1	2.1	6.2	419.7
240 " 280	272.9	229.4	122.0	74.2	64.9	19.8	5.2	12.9	801.2
280 " 320	221.7	177.3	93.7	54.2	55.5	18.9	7.9	10.8	640.1
320 " 380	225.9	165.1	90.2	47.8	49.3	13.0	6.6	9.2	607.0
380 " 420	125.3	85.5	54.0	26.6	28.7	9.0	4.0	6.1	339.2
420 " 480	92.4	75.6	35.5	20.1	23.7	6.3	4.5	7.1	265.2
480 " 520	68.4	38.6	18.5	10.8	17.2	3.8	2.5	4.9	164.6
520 " 580	56.4	38.6	21.5	12.4	15.0	2.9	3.4	7.8	158.0
580 and over	63.0	42.2	28.1	10.9	17.4	3.8	4.7	9.0	179.1
Total	1,801.3	1,409.8	780.9	444.1	460.7	138.8	52.1	100.2	5,187.9
—dollars—									
Median earnings	273	266	264	259	265	256	319	298	268
Mean earnings	292	284	285	273	285	274	349	336	288

(a) As part-time employees are defined as those who usually work less than 35 hours and who did so in the survey week, these figures may include some school teachers, academic staff in universities, air crew, etc.

**TABLE 4. ALL EMPLOYEES: WEEKLY EARNINGS IN ALL JOBS AND AGE,
AUSTRALIA, AUGUST 1983**

	<i>Males</i>			<i>Females</i>			<i>Persons</i>		
	<i>Aged 15-19 years</i>	<i>Aged 20 years and over</i>	<i>Total</i>	<i>Aged 15-19 years</i>	<i>Aged 20 years and over</i>	<i>Total</i>	<i>Aged 15-19 years</i>	<i>Aged 20 years and over</i>	<i>Total</i>
<i>Weekly earnings (\$)—</i>	<i>—'000—</i>								
Under 40	38.7	19.7	58.4	50.5	67.2	117.6	89.1	86.9	176.0
40 and under 60	10.7	11.8	22.4	14.6	55.4	70.0	25.3	67.1	92.4
60 ,, 80	5.2	12.9	18.0	9.2	57.9	67.2	14.4	70.8	85.2
80 ,, 120	40.9	30.1	71.0	39.4	130.5	169.9	80.3	160.6	240.9
120 ,, 160	64.6	55.5	120.1	74.1	148.1	222.3	138.7	203.6	342.4
160 ,, 180	30.9	57.5	88.4	29.6	107.3	136.9	60.5	164.8	225.3
180 ,, 220	40.7	172.2	212.9	27.8	211.0	238.7	68.4	383.1	451.6
220 ,, 240	14.6	214.8	229.4	8.8	181.5	190.3	23.4	396.3	419.7
240 ,, 280	14.4	488.2	502.7	6.5	292.0	298.5	21.0	780.2	801.2
280 ,, 320	6.5	456.2	462.7	3.6	173.8	177.4	10.1	629.9	640.1
320 ,, 380	5.1	463.5	468.6	*	137.7	138.4	5.9	601.2	607.0
380 ,, 420	*	271.0	272.5	*	66.2	66.7	*	337.2	339.2
420 ,, 480	*	213.2	214.1	*	50.8	51.1	*	264.0	265.2
480 ,, 520	*	140.6	141.2	*	23.5	23.5	*	164.0	164.6
520 ,, 580	*	139.2	139.7	*	18.0	18.3	*	157.2	158.0
580 and over	*	160.7	161.3	*	16.3	17.8	*	177.1	179.1
Total	276.4	2,907.0	3,183.4	267.3	1,737.2	2,004.5	543.7	4,644.2	5,187.9
	<i>—dollars—</i>								
Median earnings	146	314	303	131	230	217	138	281	268
Mean earnings	149	348	331	128	233	219	139	305	288

(a) As part-time employees are defined as those who usually work less than 35 hours and who did so during the survey week, these figures may include school teachers, academic staff in universities, aircrew, etc.

TABLE 5. ALL EMPLOYEES: WEEKLY EARNINGS IN ALL JOBS, MARITAL STATUS AND FULL-TIME OR PART-TIME STATUS, AUSTRALIA, AUGUST 1983

	Males			Females		
	Married(a)	Not married(b)	Total	Married(a)	Not married(b)	Total
FULL-TIME EMPLOYEES						
<i>Weekly earnings (\$)—</i>	<i>— '000—</i>					
Under 120	20.9	54.6	75.5	17.7	45.2	62.9
120 and under 160	23.2	79.9	103.1	24.5	83.9	108.3
160 " 180	24.8	55.3	80.1	31.9	50.5	82.4
180 " 220	97.8	105.1	202.8	88.8	87.1	176.0
220 " 240	132.0	90.1	222.1	91.6	72.5	164.1
240 " 280	333.0	161.6	494.6	153.2	118.1	271.3
280 " 320	341.9	115.4	457.3	94.5	69.1	163.7
320 " 380	355.4	106.9	462.3	70.5	60.0	130.5
380 " 420	211.2	55.8	267.0	37.2	23.6	60.8
420 " 480	174.5	36.9	211.4	28.7	17.6	46.3
480 " 520	116.8	20.1	136.9	13.0	7.7	20.7
520 " 580	120.0	16.5	136.5	8.6	8.1	16.7
580 and over	137.2	21.8	159.0	8.7	8.3	17.0
Total	2,088.7	920.0	3,008.7	668.8	651.7	1,320.6
	<i>— dollars—</i>					
Median earnings	332	259	309	261	236	250
Mean earnings	368	280	341	282	251	267
PART-TIME EMPLOYEES(c)						
<i>Weekly earnings (\$)—</i>	<i>— '000—</i>					
Under 40	6.2	44.1	50.3	48.8	63.9	112.7
40 and under 60	4.8	13.0	17.8	44.6	22.3	66.9
60 " 80	*	6.7	9.4	45.9	14.3	60.2
80 " 120	6.9	10.0	17.0	101.4	20.5	121.9
120 " 160	6.9	10.1	17.0	96.6	17.4	114.0
160 " 180	3.9	4.4	8.3	45.0	9.5	54.5
180 " 220	5.2	4.8	10.0	50.9	11.9	62.8
220 and over	29.7	15.3	45.0	69.9	21.0	91.0
Total	66.3	108.4	174.7	503.1	180.8	684.0
	<i>— dollars —</i>					
Median earnings	194	56	103	124	66	113
Mean earnings	239	105	156	136	102	127

(a) Includes permanently separated and de facto relationships. (b) Never married, widowed and divorced. (c) As part-time employees are defined as those who usually work less than 35 hours and who did so during the survey week, these figures may include school teachers, academic staff in universities, aircrew, etc.

TABLE 6. ALL EMPLOYEES: WEEKLY EARNINGS IN MAIN JOB AND HOURS PAID FOR, AUSTRALIA, AUGUST 1983

Hours paid for—									
	1-19	20-29	30-34	35-39	40	41-44	45-48	49 and over	Total
MALES									
Weekly earnings (\$)—	—' 000—								
Under 120	92.2	8.6	5.3	15.9	30.0	*	3.3	13.7	171.9
120 and under 160	6.7	10.2	6.0	23.4	56.5	5.2	5.1	7.5	120.8
160 ,, 180	3.3	5.8	3.9	21.1	40.3	4.1	3.7	5.6	87.9
180 ,, 220	4.5	6.6	7.5	49.7	109.3	13.9	8.7	14.6	214.7
220 ,, 240	*	5.0	8.2	61.2	120.6	13.6	6.8	13.3	230.1
240 ,, 280	*	7.2	9.8	154.4	255.3	28.7	21.0	26.4	505.2
280 ,, 320	*	4.5	7.9	160.1	199.9	33.4	24.9	33.8	465.9
320 ,, 380	*	7.4	10.7	167.7	169.3	36.5	34.6	38.8	467.8
380 ,, 420	*	*	12.0	101.7	80.4	23.8	21.4	29.4	272.8
420 ,, 480	*	*	8.6	77.0	54.6	17.7	23.8	27.8	212.6
480 ,, 520	*	*	7.7	50.3	33.2	8.3	13.9	21.8	139.0
520 and over	*	*	11.6	92.1	46.2	24.7	32.8	81.9	294.7
Total	120.7	65.6	99.2	974.5	1,195.8	212.7	200.0	314.8	3,183.4
—dollars—									
Median earnings	51	226	326	321	278	328	366	385	302
Mean earnings	98	259	340	346	297	353	385	454	330
FEMALES									
Weekly earnings (\$)—	—' 000—								
Under 120	329.5	38.7	9.2	15.1	26.5	*	*	6.6	430.3
120 and under 160	46.8	64.5	11.3	32.9	58.0	3.5	4.1	3.2	224.1
160 ,, 180	15.8	32.4	13.8	28.3	41.1	3.1	*	*	137.5
180 ,, 220	13.2	30.7	25.7	53.3	98.4	8.9	3.4	4.3	237.8
220 ,, 240	5.9	10.7	16.1	51.6	91.2	6.8	*	4.4	189.3
240 ,, 280	5.8	9.9	20.7	113.4	123.6	14.1	5.6	4.8	297.7
280 ,, 320	3.7	7.5	9.8	69.0	67.1	10.1	3.9	5.1	176.2
320 ,, 380	*	4.6	10.8	51.3	46.7	8.6	6.0	7.0	137.1
380 ,, 420	*	*	6.1	26.8	21.9	3.0	*	3.2	67.1
420 and over	*	4.0	11.6	35.4	22.5	5.4	4.7	21.9	107.2
Total	426.2	205.4	135.0	477.0	596.9	66.0	36.9	61.1	2,004.5
—dollars—									
Median earnings	72	160	229	260	236	263	268	332	215
Mean earnings	87	175	249	271	246	278	281	422	218

**TABLE 7. EMPLOYEES WHO WORKED IN A SECOND JOB : WEEKLY EARNINGS IN MAIN JOB
AND WEEKLY EARNINGS IN SECOND JOB, AUSTRALIA, AUGUST 1983**

	Males				Females			
	Weekly earnings in second job			Mean weekly earnings in second job	Weekly earnings in second job			Mean weekly earnings in second job
	Under \$30	\$30 and over	Total		Under \$30	\$30 and over	Total	
Weekly earnings in main job (\$)—	'000	'000	'000	\$	'000	'000	'000	\$
Under 120	3.7	5.3	5.1	42	5.7	7.5	13.1	50
120 and under 180			3.3	59	*	6.1	8.4	65
180 " 240			4.8	68	*	*	5.3	60
240 " 280	5.1	4.6	5.8	74	*	*	3.3	58
280 and over			27.0	76	*	7.0	7.5	96
Total	8.9	41.1	50.0	71	11.8	25.8	37.6	65
	—dollars—							
Median earnings in main job	266	329	317	..	125	173	158	..
Mean earnings in main job	266	342	328	..	142	212	190	..

**TABLE 8. EMPLOYEES WHO WORKED IN A SECOND JOB : HOURS WORKED IN MAIN JOB,
HOURS WORKED IN SECOND JOB AND NUMBER, MEDIAN AND MEAN WEEKLY EARNINGS IN ALL JOBS,
AUSTRALIA, AUGUST 1983**

Hours worked in second job	Hours worked in main job						Total		
	Under 35			35 and over					
	Number of employees ('000)	Median earnings (\$)	Mean earnings (\$)	Number of employees ('000)	Median earnings (\$)	Mean earnings (\$)	Number of employees ('000)	Median earnings (\$)	Mean earnings (\$)
MALES									
Under 5	3.7	298	281	10.0	452	493	13.7	420	436
5 and over	12.8	326	354	23.5	394	402	36.3	383	385
Total	16.5	320	338	33.5	407	429	50.0	391	399
FEMALES									
Under 5	10.3	141	175	4.4	268	291	14.8	187	210
5 and over	16.8	219	240	6.1	358	402	22.9	250	283
Total	27.1	198	215	10.5	312	357	37.6	228	254

**TABLE 9. EMPLOYEES WHO WORKED IN A SECOND JOB : WEEKLY EARNINGS AND HOURS WORKED
IN SECOND JOB, AUSTRALIA, AUGUST 1983**

	Hours worked in second job					
	Males			Females		
	Under 5	5 and over	Total	Under 5	5 and over	Total
Weekly earnings in second job (\$)—	—'000—					
Under 30	5.1	3.7	8.9	8.7	3.1	11.8
30 and over	8.6	32.6	41.1	6.1	19.7	25.8
Total	13.7	36.3	50.0	14.8	22.9	37.6
	—dollars—					
Median earnings	39	70	62	26	76	50
Mean earnings	45	80	71	35	84	65

TABLE 10. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN ALL JOBS AND AGE, AUSTRALIA, AUGUST 1983

	Age group (years)								
	15-19	20-24	25-34	35-44	45-54	55-59	60 and over	Total 20 and over	Total
MALES									
Weekly earnings (\$)—	—'000—								
Under 120	40.5	9.2	10.2	8.3	4.1	6.6	4.3	35.0	75.5
120 and under 160	59.8	15.6	10.7	7.4	5.8			43.4	103.1
160 " 180	29.8	20.4	9.2	9.3	7.5			50.3	80.1
180 " 220	39.6	53.9	42.5	26.2	23.1			163.2	202.8
220 " 240	14.0	54.4	53.7	39.7	35.9	12.1	5.4	208.1	222.1
240 " 280	14.0	105.1	142.9	99.2	76.5	17.2	7.3	480.6	494.6
280 " 320	6.1	67.6	147.1	102.7	83.0	35.6	21.3	451.2	457.3
320 " 380	4.9	52.4	155.9	115.3	85.0	36.2	14.7	457.4	462.3
380 " 420	4.2	21.3	96.1	76.7	45.9	34.1	14.6	265.5	267.0
420 " 480		13.2	79.5	60.0	41.3	18.1	7.4	210.5	211.4
480 " 520		5.2	47.3	46.8	24.4	10.5	6.0	136.3	136.9
520 " 580		5.4	37.2	54.1	24.1	9.8	6.6	135.9	136.5
580 and over		6.7	39.1	54.9	38.9	11.2	3.7	158.4	159.0
Total	212.9	430.4	871.5	700.6	495.6	206.5	91.2	2,795.8	3,008.7
—dollars—									
Median earnings	164	263	327	350	328	315	300	317	309
Mean earnings	177	283	356	382	368	364	341	353	341
FEMALES									
Weekly earnings (\$)—	—'000—								
Under 120	34.8	6.4	5.7	8.3	3.8	4.6	4.9	28.1	62.9
120 and under 160	68.2	15.0	8.8	8.7	5.7			40.1	108.3
160 " 180	28.1	22.5	11.1	10.1	6.9			54.3	82.4
180 " 220	26.9	59.9	31.3	28.0	20.3			149.0	176.0
220 " 240	8.3	62.2	36.1	27.7	22.3	7.2	4.2	155.8	164.1
240 " 280	6.5	87.1	77.5	48.3	37.9	5.7	3.2	264.7	271.3
280 " 320	3.1	36.5	53.1	38.2	24.4	10.8	5.1	160.6	163.7
320 " 380	3.2	29.7	50.8	27.5	16.2	6.5		129.8	130.5
380 " 420		5.6	28.0	18.4	6.1	4.1		60.4	60.8
420 and over		9.8	36.8	27.9	18.1	6.1		98.6	100.7
Total	179.1	334.7	339.2	243.1	161.9	45.3	17.4	1,141.5	1,320.6
—dollars—									
Median earnings	152	241	280	272	263	259	236	262	250
Mean earnings	166	253	304	293	289	284	245	283	267
PERSONS									
Weekly earnings (\$)—	—'000—								
Under 120	75.3	15.6	15.9	16.6	8.0	3.3	3.7	63.0	138.3
120 and under 160	128.0	30.6	19.5	16.1	11.5	4.0	*	83.4	211.4
160 " 180	57.8	42.9	20.3	19.4	14.5	3.9	3.7	104.7	162.5
180 " 220	66.5	113.8	73.8	54.2	43.3	19.3	7.8	312.2	378.8
220 " 240	22.3	116.5	89.9	67.3	58.2	23.0	9.1	363.9	386.3
240 " 280	20.5	192.2	220.4	147.4	114.5	46.4	24.5	745.4	765.9
280 " 320	9.2	104.1	200.2	140.9	107.4	42.6	16.6	611.7	621.0
320 " 380	5.6	82.2	206.8	142.8	101.2	38.2	16.0	587.2	592.8
380 " 420	*	26.9	124.1	95.1	52.0	19.9	7.9	325.9	327.8
420 " 480	*	17.5	97.7	74.1	48.4	12.4	6.3	256.5	257.7
480 " 520	*	6.7	55.1	52.8	28.5	10.8	3.2	156.9	157.5
520 " 580	*	7.9	42.3	58.1	27.7	12.4	4.1	152.4	153.2
580 and over	*	8.3	44.9	58.7	42.3	15.8	3.9	173.9	176.0
Total	392.0	765.1	1,210.6	943.6	657.5	251.9	108.6	3,937.2	4,329.2
—dollars—									
Median earnings	158	253	313	324	309	305	289	299	288
Mean earnings	172	270	341	359	349	350	326	333	318

TABLE 11. FULL-TIME EMPLOYEES : OCCUPATION, NUMBER, MEAN WEEKLY EARNINGS IN ALL JOBS AND BIRTHPLACE, AUSTRALIA, AUGUST 1983

Occupation	Males			Females		
	Number (' 000)	Per cent of total	Mean weekly earnings (\$)	Number (' 000)	Per cent of total	Mean weekly earnings (\$)
BORN IN AUSTRALIA						
Professional, technical, etc.	311.0	14.3	438	235.4	24.0	349
Administrative, executive and managerial	198.4	9.1	428	21.2	2.2	325
Clerical	241.6	11.1	328	432.9	44.1	250
Sales	124.0	5.7	296	91.8	9.3	211
Farm workers, etc.	108.6	5.0	244	8.6	0.9	168
Transport and communication	163.1	7.5	339	21.6	2.2	253
Trades and production-process workers and labourers, n.e.c.(a)	907.2	41.8	306	76.5	7.8	216
Service, sport and recreation	117.7	5.4	336	94.3	9.6	233
Total	2,171.6	100.0	339	982.4	100.0	267
BORN IN MAIN ENGLISH-SPEAKING COUNTRIES(b)						
Professional, technical, etc.	66.6	17.6	465	33.6	20.8	368
Administrative, executive and managerial	44.0	11.6	467	5.7	3.6	349
Clerical	31.9	8.4	348	68.8	42.6	273
Sales	24.5	6.5	315	15.7	9.8	240
Farm workers, etc.	9.5	2.5	265	*	*	*
Transport and communication	19.2	5.1	341	*	*	*
Trades and production-process workers and labourers, n.e.c.(a)	161.0	42.5	338	17.8	11.0	241
Service, sport and recreation	22.5	5.9	339	16.0	9.9	240
Total	379.1	100.0	373	161.2	100.0	284
BORN IN OTHER COUNTRIES						
<i>Germany, Federal Republic of—</i>						
Professional, technical, etc.	3.8	11.5	442	*	*	*
Trades and production-process workers and labourers, n.e.c.(a)	20.1	60.6	343	*	*	*
Total	33.1	100.0	356	10.7	100.0	277
<i>Greece—</i>						
Trades and production-process workers and labourers, n.e.c.(a)	25.6	62.9	265	9.4	61.2	218
Service, sport and recreation	3.8	9.3	234	*	*	*
Total	40.7	100.0	278	15.3	100.0	226
<i>Italy—</i>						
Professional, technical, etc.	3.8	4.7	400	*	*	*
Clerical	3.2	4.0	388	4.7	20.1	251
Transport and communication	5.4	6.7	332	*	*	*
Trades and production-process workers and labourers, n.e.c.(a)	53.0	65.8	285	11.2	47.4	215
Service, sport and recreation	5.2	6.4	282	*	*	*
Total	80.5	100.0	300	23.6	100.0	235
<i>Yugoslavia—</i>						
Trades and production-process workers and labourers, n.e.c.(a)	37.4	76.1	304	12.2	55.1	220
Total	49.1	100.0	307	22.2	100.0	230
<i>Other countries—</i>						
Professional, technical, etc.	43.8	17.2	419	18.8	17.8	338
Administrative, executive and managerial	19.4	7.6	405	*	*	*
Clerical	20.2	7.9	331	35.4	33.7	269
Sales	8.0	3.1	270	*	*	*
Transport and communication	14.9	5.9	322	*	*	*
Trades and production-process workers and labourers, n.e.c.(a)	127.2	50.0	309	29.5	28.1	217
Service, sport and recreation	17.9	7.0	289	15.8	15.0	237
Total	254.6	100.0	334	105.1	100.0	263
TOTAL						
Professional, technical, etc.	434.4	14.4	440	293.9	22.3	351
Administrative, executive and managerial	271.9	9.0	429	30.1	2.3	330
Clerical	300.6	10.0	331	551.7	41.8	254
Sales	164.1	5.5	297	114.1	8.6	215
Farm workers, etc.	123.9	4.1	246	10.6	0.8	169
Transport and communication	211.1	7.0	338	26.1	2.0	257
Trades and production-process workers and labourers, n.e.c.(a)	1,331.4	44.3	309	158.6	12.0	219
Service, sport and recreation	171.4	5.7	326	135.4	10.3	234
Total	3,008.7	100.0	341	1,320.6	100.0	267

(a) Includes miners and quarry workers. (b) Comprises U.K., Ireland, Canada, South Africa, U.S.A. and New Zealand.

TABLE 12. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUSTRALIA, AUGUST 1983

MALES							
	<i>Agriculture, forestry, fishing, etc.</i>	<i>Mining</i>	<i>Manufacturing</i>	<i>Electricity, gas and water</i>	<i>Construction</i>	<i>Wholesale and retail trade</i>	<i>Transport and storage</i>
<i>Weekly earnings (\$)—</i>				—'000—			
Under 120	12.3	*	16.1	*	4.5	17.4	3.8
120 and under 160	8.9	*	25.9	*	10.4	30.4	5.1
160 " 180	6.9	*	18.3	3.7	6.1	17.9	5.8
180 " 220	18.8	*	54.4	6.7	14.6	41.0	13.9
220 " 240	8.2	*	66.2	6.5	13.9	50.6	17.3
240 " 280	16.1	3.2	156.7	17.9	26.1	94.5	39.8
280 " 320	8.1	6.4	133.8	21.1	34.8	83.1	43.9
320 " 380	4.9	11.6	134.8	20.7	40.3	65.0	40.2
380 " 420	5.1	10.5	64.3	11.5	22.0	31.5	24.2
420 " 480	*	8.4	40.7	12.5	14.2	22.1	18.6
480 " 520	*	8.6	24.2	5.0	8.8	12.2	11.9
520 " 580	*	12.8	26.7	5.8	8.0	9.2	9.6
580 and over	*	16.0	25.9	9.0	9.1	16.8	14.3
Total	95.7	83.0	788.1	124.2	212.8	491.8	248.4
				—dollars—			
Median earnings	222	451	297	327	315	277	315
Mean earnings	239	465	324	361	341	301	351
	<i>Communication</i>	<i>Finance, property and business services</i>	<i>Public administration and defence(a)</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>	<i>Total</i>	
<i>Weekly earnings (\$)—</i>				—'000—			
Under 120	*	4.4	*	7.6	6.3	76.8	
120 and under 160	*	6.8	*	4.8	4.3	103.5	
160 " 180	*	5.9	3.3	6.4	*	79.9	
180 " 220	4.3	16.3	12.4	11.8	8.9	204.8	
220 " 240	7.7	11.9	13.0	15.4	10.2	223.0	
240 " 280	19.4	31.1	36.5	37.8	18.4	497.4	
280 " 320	20.4	25.1	34.3	35.5	14.1	460.5	
320 " 380	16.2	32.4	33.9	46.7	14.7	461.5	
380 " 420	9.7	23.5	18.1	41.5	5.7	267.5	
420 " 480	6.2	21.4	17.4	42.6	3.8	209.7	
480 " 520	5.8	13.5	8.1	31.4	3.3	134.7	
520 " 580	3.5	10.8	13.8	28.1	3.1	132.9	
580 and over	*	15.3	15.4	28.4	*	156.4	
Total	100.6	218.3	209.7	338.0	98.2	3,008.7	
				—dollars—			
Median earnings	308	334	323	383	276	308	
Mean earnings	332	361	366	398	301	340	

For footnote see end of table.

TABLE 12. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUSTRALIA, AUGUST 1983-continued

FEMALES					
	<i>Manufacturing</i>	<i>Wholesale and retail trade</i>	<i>Transport and storage</i>	<i>Communication</i>	<i>Finance, property and business services</i>
<i>Weekly earnings (\$)—</i>			<i>—'000—</i>		
Under 120	5.0	17.9	*	*	7.3
120 and under 160	16.0	35.7	*	*	18.7
160 " 180	19.1	17.4	*	*	14.8
180 " 220	53.5	34.8	3.5	*	22.2
220 " 240	32.8	42.9	5.1	*	19.5
240 " 280	52.0	48.9	6.6	6.8	45.7
280 " 320	22.7	22.7	4.5	4.8	26.3
320 " 380	12.1	10.8	5.0	*	17.8
380 and over	8.7	10.6	3.2	3.3	8.1
Total	222.0	241.6	33.6	24.9	180.5
			<i>—dollars—</i>		
Median earnings	231	227	255	267	247
Mean earnings	241	231	269	293	247

	<i>Public administration and defence(a)</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>	<i>Other(b)</i>	<i>Total</i>
<i>Weekly earnings (\$)—</i>			<i>—'000—</i>		
Under 120	*	13.1	11.3	5.5	64.3
120 and under 160	8.0	18.0	7.0	3.7	109.4
160 " 180	4.6	15.5	4.4	*	82.6
180 " 220	8.8	32.9	14.0	4.8	177.4
220 " 240	12.1	32.1	12.5	4.8	164.2
240 " 280	17.1	70.8	14.4	9.2	271.4
280 " 320	11.7	60.1	5.9	3.9	162.6
320 " 380	13.3	61.4	4.2	3.1	129.9
380 and over	11.2	108.1	3.4	*	158.9
Total	89.0	412.0	76.9	40.0	1,320.6
			<i>—dollars—</i>		
Median earnings	261	296	223	234	249
Mean earnings	281	314	225	233	266

(a) Excludes defence forces. (b) Comprises agriculture, forestry, fishing, etc.; mining; electricity, gas and water; and construction.

TABLE 13. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND OCCUPATION, AUSTRALIA, AUGUST 1983

	Professional, technical, etc.	Adminis- trative, executive and managerial	Clerical	Sales	Farm workers, etc.	Transport and communi- cation	Trades and production- process workers and labourers, n.e.c.(a)	Service, sport and recreation	Total
MALES									
Weekly earnings (\$)—					—' 000—				
Under 120	4.3	4.5	4.1	6.3	13.5	*	37.2	5.1	76.8
120 and under 160	3.7	*	8.5	8.5	10.7	4.8	58.9	5.4	103.5
160 " 180	4.8	*	9.2	5.4	8.0	4.3	41.3	4.6	79.9
180 " 220	11.7	8.2	20.0	13.7	22.4	12.4	103.0	13.3	204.8
220 " 240	9.9	7.5	19.2	15.5	14.5	18.3	123.7	14.4	223.0
240 " 280	29.5	18.7	51.0	30.3	24.6	44.8	265.6	32.8	497.4
280 " 320	39.4	31.5	50.4	28.4	12.1	37.4	238.1	23.3	460.5
320 " 380	60.0	45.0	58.4	27.2	6.4	29.2	210.2	25.0	461.5
380 " 420	58.4	33.7	31.2	13.3	4.7	17.8	93.2	15.2	267.5
420 " 480	63.3	28.1	23.2	7.6	*	13.3	58.1	13.4	209.7
480 " 520	47.3	22.0	10.4	3.2	*	10.7	31.1	8.8	134.7
520 " 580	48.2	28.9	8.1	*	*	6.8	32.3	5.8	132.9
580 and over	54.0	38.5	6.8	3.5	*	9.4	38.7	4.1	156.4
Total	434.4	271.9	300.6	164.1	123.9	211.1	1,331.4	171.4	3,008.7
—dollars—									
Median earnings	417	398	310	283	230	300	286	297	308
Mean earnings	438	428	329	296	245	338	309	324	340
FEMALES									
Weekly earnings (\$)—					—' 000—				
Under 120	6.5	*	18.9	11.5	*	*	7.3	14.5	64.3
120 and under 160	7.0	*	54.0	22.3	*	*	11.6	9.2	109.4
160 " 180	8.3	*	35.8	10.5	*	*	15.9	8.3	82.6
180 " 220	14.9	*	64.5	15.5	*	3.7	52.3	23.3	177.4
220 " 240	13.2	*	70.5	22.9	*	3.1	27.4	23.7	164.2
240 " 280	33.5	6.0	147.7	16.9	*	7.0	29.0	30.2	271.4
280 " 320	41.2	4.0	83.1	7.0	*	3.8	8.0	15.0	162.6
320 " 380	59.4	3.6	51.1	3.5	*	*	4.4	5.4	129.9
380 " 420	43.9	*	10.7	*	*	*	*	*	61.0
420 and over	66.0	7.0	15.3	3.3	*	*	*	3.7	97.8
Total	293.9	30.1	551.7	114.1	10.6	26.1	158.6	135.4	1,320.6
—dollars—									
Median earnings	343	293	249	213	166	250	214	230	249
Mean earnings	349	330	253	215	168	255	219	233	266

(a) Includes miners and quarry workers.

**TABLE 14. FULL-TIME EMPLOYEES BORN OVERSEAS :
BIRTHPLACE, PERIOD OF ARRIVAL IN AUSTRALIA, NUMBER, MEDIAN AND MEAN WEEKLY EARNINGS IN ALL JOBS, AUGUST 1983**

Birthplace	Period of arrival in Australia												Total		
	Before 1961			1961-1970			1971-1975			1976-August 1983					
	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)
MALES															
Main English-speaking countries(a)	94.9	365	398	144.7	332	355	58.2	340	373	81.4	337	377	379.1	342	373
Germany, Federal Republic of	23.6	342	357	5.9	330	361	*	*	*	*	*	*	33.1	338	356
Greece	14.2	273	288	21.8	255	272	*	*	*	*	*	*	40.7	263	278
Italy	52.0	283	304	23.6	270	281	4.2	305	328	*	*	*	80.5	281	300
Yugoslavia	11.6	297	346	27.5	277	300	8.0	268	283	*	*	*	49.1	277	307
Other	86.0	320	357	70.1	304	327	40.1	290	322	58.5	286	318	254.6	302	334
Total	282.3	319	357	293.6	304	331	113.7	308	344	147.6	310	351	837.1	311	345
FEMALES															
Main English-speaking countries(a)	26.1	278	305	65.9	254	275	25.8	265	284	43.6	258	285	161.2	261	284
Germany, Federal Republic of	8.0	285	296	*	*	*	*	*	*	*	*	*	10.7	265	277
Greece	4.1	228	233	9.9	217	225	*	*	*	*	*	*	15.3	220	226
Italy	11.3	242	251	10.2	213	216	*	*	*	*	*	*	23.6	228	235
Yugoslavia	*	*	*	11.2	225	235	7.3	216	223	*	*	*	22.2	222	230
Other	21.7	259	294	32.5	246	255	20.5	240	263	30.4	241	248	105.1	246	263
Total	73.1	263	287	131.4	239	258	57.2	246	265	76.6	249	268	338.2	248	267

(a) Comprises U.K., Ireland, Canada, South Africa, U.S.A., and New Zealand.

TABLE 15. ALL EMPLOYEES : OCCUPATION AND FREQUENCY OF PAY, AUSTRALIA, AUGUST 1983

Occupation	Frequency of pay							
	Weekly		Fortnightly		Monthly		Total(a)	
	'000	Per cent	'000	Per cent	'000	Per cent	'000	Per cent
MALES								
Professional, technical, etc.	75.2	16.3	295.1	63.8	83.7	18.1	462.3	100.0
Administrative, executive and managerial	115.0	41.5	69.4	25.1	86.0	31.0	276.9	100.0
Clerical	79.6	25.9	203.3	66.2	22.7	7.4	307.1	100.0
Sales	132.5	68.8	23.3	12.1	33.5	17.4	192.5	100.0
Farm workers, etc.	58.1	43.0	39.4	29.2	22.3	16.5	135.1	100.0
Transport and communication	111.8	50.0	99.1	44.4	6.5	2.9	223.4	100.0
Trades and production-process workers and labourers, n.e.c.(b)	999.2	72.4	334.2	24.2	36.0	2.6	1,380.8	100.0
Service, sport and recreation	102.2	49.8	96.1	46.8	4.6	2.2	205.3	100.0
Total	1,673.6	52.6	1,159.9	36.4	295.2	9.3	3,183.4	100.0
FEMALES								
Professional, technical, etc.	44.7	10.7	341.0	81.6	19.4	4.7	417.6	100.0
Administrative, executive and managerial	16.9	47.9	9.2	26.1	6.9	19.5	35.3	100.0
Clerical	358.1	48.5	319.7	43.3	48.5	6.6	738.1	100.0
Sales	205.1	90.7	11.0	4.9	4.4	1.9	226.1	100.0
Farm workers, etc.	13.3	63.6	3.8	18.1	*	*	21.0	100.0
Transport and communication	11.2	29.0	24.5	63.2	*	*	38.7	100.0
Trades and production-process workers and labourers, n.e.c.(b)	176.7	92.7	10.0	5.2	*	*	190.7	100.0
Service, sport and recreation	163.4	48.5	155.5	46.2	9.1	2.7	337.0	100.0
Total	989.5	49.4	874.6	43.6	94.8	4.7	2,004.5	100.0
PERSONS								
Professional, technical, etc.	120.0	13.6	636.0	72.3	103.1	11.7	879.9	100.0
Administrative, executive and managerial	131.9	42.2	78.6	25.2	92.8	29.7	312.3	100.0
Clerical	437.7	41.9	523.0	50.0	71.2	6.8	1,045.2	100.0
Sales	337.6	80.7	34.3	8.2	37.8	9.0	418.6	100.0
Farm workers, etc.	71.4	45.8	43.2	27.7	24.8	15.9	156.1	100.0
Transport and communication	123.0	46.9	123.6	47.1	8.9	3.4	262.1	100.0
Trades and production-process workers and labourers, n.e.c.(b)	1,175.8	74.8	344.2	21.9	37.5	2.4	1,571.5	100.0
Service, sport and recreation	265.6	49.0	251.6	46.4	13.7	2.5	542.3	100.0
Total	2,663.1	51.3	2,034.5	39.2	390.0	7.5	5,187.9	100.0

(a) Includes individuals paid at intervals other than those indicated. (b) Includes miners and quarry workers.

TABLE 16. ALL EMPLOYEES : INDUSTRY AND FREQUENCY OF PAY, AUSTRALIA, AUGUST 1983

Industry	Frequency of pay							
	Weekly		Fortnightly		Monthly		Total(a)	
	'000	Per cent	'000	Per cent	'000	Per cent	'000	Per cent
MALES								
Agriculture, forestry, fishing, etc.	33.7	32.9	32.2	31.4	21.8	21.3	102.6	100.0
Mining	34.6	41.6	36.0	43.4	11.7	14.1	83.1	100.0
Manufacturing	602.2	74.3	114.1	14.1	88.8	11.0	810.3	100.0
Electricity, gas and water	55.7	44.8	68.3	54.9	*	*	124.5	100.0
Construction	156.3	71.0	44.0	20.0	14.5	6.6	220.2	100.0
Wholesale and retail trade	420.3	77.2	40.5	7.4	76.4	14.0	544.2	100.0
Transport and storage	113.9	44.2	127.1	49.3	11.2	4.4	257.6	100.0
Communication	*	*	101.7	99.4	*	*	102.3	100.0
Finance, property and business services	53.6	23.3	129.5	56.3	40.7	17.7	229.8	100.0
Public administration and defence(b)	60.0	28.1	151.4	70.9	*	*	213.4	100.0
Community services	46.1	12.4	299.1	80.7	21.0	5.7	370.7	100.0
Recreation, personal and other services	96.5	77.3	16.2	12.9	7.1	5.7	124.8	100.0
Total	1,673.6	52.6	1,159.9	36.4	295.2	9.3	3,183.4	100.0
FEMALES								
Manufacturing	225.1	85.1	20.4	7.7	16.0	6.0	264.6	100.0
Wholesale and retail trade	376.7	88.8	24.2	5.7	15.1	3.6	424.1	100.0
Transport and storage	24.2	57.3	14.6	34.5	*	*	42.2	100.0
Communication	*	*	32.4	94.1	*	*	34.4	100.0
Finance, property and business services	84.5	34.4	132.8	54.0	22.5	9.1	245.7	100.0
Public administration and defence(b)	15.3	15.0	83.5	82.0	*	*	101.8	100.0
Community services	77.7	12.0	534.4	82.9	21.8	3.4	644.9	100.0
Recreation, personal and other services	150.3	82.3	16.5	9.0	6.0	3.3	182.7	100.0
Other(c)	35.4	55.1	15.8	24.7	8.5	13.2	64.1	100.0
Total	989.5	49.4	874.6	43.6	94.8	4.7	2,004.5	100.0
PERSONS								
Agriculture, forestry, fishing, etc.	46.3	36.7	36.1	28.7	26.3	20.9	125.9	100.0
Mining	35.8	40.0	38.6	43.3	13.7	15.4	89.4	100.0
Manufacturing	827.2	77.0	134.5	12.5	104.8	9.8	1,074.8	100.0
Electricity, gas and water	60.9	44.8	74.5	54.8	*	*	135.8	100.0
Construction	172.8	71.0	47.1	19.3	16.4	6.8	243.4	100.0
Wholesale and retail trade	797.1	82.3	64.6	6.7	91.5	9.5	968.2	100.0
Transport and storage	138.1	46.1	141.7	47.3	12.9	4.3	299.8	100.0
Communication	*	*	134.1	98.1	*	*	136.7	100.0
Finance, property and business services	138.1	29.0	262.2	55.2	63.2	13.3	475.5	100.0
Public administration and defence(b)	75.2	23.9	234.9	74.5	3.6	1.1	315.3	100.0
Community services	123.8	12.2	833.4	82.1	42.8	4.2	1,015.6	100.0
Recreation, personal and other services	246.9	80.3	32.7	10.6	13.0	4.2	307.4	100.0
Total	2,663.1	51.3	2,034.5	39.2	390.0	7.5	5,187.9	100.0

(a) Includes individuals paid at intervals other than those indicated. (b) Excludes defence forces. (c) Comprises agriculture, forestry, fishing, etc; mining; electricity, gas and water; and construction.

TABLE 17. ALL EMPLOYEES : FREQUENCY OF PAY, STATES AND TERRITORIES, AUGUST 1983

State or Territory	Frequency of pay							
	Weekly		Fortnightly		Monthly		Total(a)	
	'000	Per cent	'000	Per cent	'000	Per cent	'000	Per cent
MALES								
New South Wales	609.8	55.3	361.4	32.8	112.7	10.2	1,102.6	100.0
Victoria	485.6	56.5	274.7	32.0	85.9	10.0	859.1	100.0
Queensland	269.5	54.8	175.6	35.7	36.9	7.5	491.6	100.0
South Australia	129.0	47.5	118.2	43.5	20.2	7.4	271.6	100.0
Western Australia	121.9	43.2	126.4	44.8	27.5	9.7	282.3	100.0
Tasmania	33.1	37.8	47.0	53.6	5.9	6.7	87.7	100.0
Northern Territory	8.1	25.3	20.3	63.4	3.3	10.4	32.0	100.0
Australian Capital Territory	16.5	29.2	36.3	64.3	2.7	4.7	56.5	100.0
<i>Australia</i>	<i>1,673.6</i>	<i>52.6</i>	<i>1,159.9</i>	<i>36.4</i>	<i>295.2</i>	<i>9.3</i>	<i>3,183.4</i>	<i>100.0</i>
FEMALES								
New South Wales	365.5	52.3	281.2	40.3	36.4	5.2	698.6	100.0
Victoria	284.4	51.6	221.4	40.2	30.9	5.6	550.7	100.0
Queensland	144.9	50.1	128.0	44.3	10.3	3.6	289.3	100.0
South Australia	78.1	45.3	84.9	49.2	5.4	3.2	172.5	100.0
Western Australia	80.5	45.1	86.6	48.5	7.7	4.3	178.4	100.0
Tasmania	19.7	38.6	28.4	55.5	1.6	3.2	51.1	100.0
Northern Territory	5.8	28.7	13.3	66.0	*	*	20.1	100.0
Australian Capital Territory	10.6	24.2	30.8	70.5	1.5	3.4	43.7	100.0
<i>Australia</i>	<i>989.5</i>	<i>49.4</i>	<i>874.6</i>	<i>43.6</i>	<i>94.8</i>	<i>4.7</i>	<i>2,004.5</i>	<i>100.0</i>
PERSONS								
New South Wales	975.4	54.1	642.6	35.7	149.2	8.3	1,801.3	100.0
Victoria	770.1	54.6	496.2	35.2	116.9	8.3	1,409.8	100.0
Queensland	414.4	53.1	303.6	38.9	47.2	6.0	780.9	100.0
South Australia	207.1	46.6	203.2	45.7	25.6	5.8	444.1	100.0
Western Australia	202.4	43.9	212.9	46.2	35.2	7.6	460.7	100.0
Tasmania	52.9	38.1	75.4	54.3	7.5	5.4	138.8	100.0
Northern Territory	13.9	26.6	33.6	64.4	4.2	8.1	52.1	100.0
Australian Capital Territory	27.0	27.0	67.1	67.0	4.2	4.2	100.2	100.0
<i>Australia</i>	<i>2,663.1</i>	<i>51.3</i>	<i>2,034.5</i>	<i>39.2</i>	<i>390.0</i>	<i>7.5</i>	<i>5,187.9</i>	<i>100.0</i>

(a) Includes individuals paid at intervals other than those indicated.

TECHNICAL NOTE

Estimation procedure

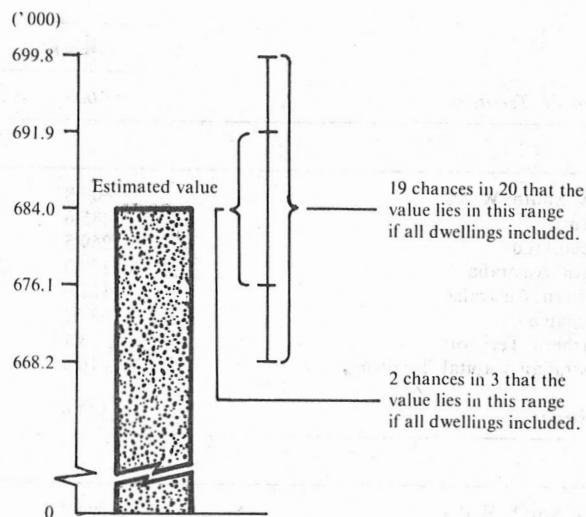
The estimates are derived from the population survey by use of a ratio estimation procedure which ensures that the estimates conform to an independently estimated distribution of the population for each capital city and remainder of State by age and sex, rather than to the corresponding distribution within the sample itself.

Reliability of the estimates

2. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimate.

3. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given on the following page (Table A). Since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics, these figures will not give a precise measure of the standard error of a particular estimate but they will provide an indication of its magnitude. Table B shows relative standard errors of estimates of mean and median earnings.

4. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. From Table 3 on page 10, the estimated number of females who, in August 1983, were part-time employees is 684,000. Since this estimate is between 500,000 and 1,000,000 in Table A, the standard error for Australia will be between 7,200 and 9,100 and can be approximated as 7,900 (rounded to the nearest 100). Therefore, there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall in the range 676,100 to 691,900 and about nineteen chances in twenty that the value will fall within the range 668,200 to 699,800. This example is illustrated in the following diagram.



5. An example of the use of Table B is as follows: Table 3 shows the mean weekly earnings of all female full-time employees in Australia as \$267 and the number of such employees as 1,320,600. Table B shows the relative standard errors of estimates based on 1,000,000 and 1,500,000 employees to be 0.64 per cent and 0.52 per cent respectively. By interpolation the relative standard error of the estimate is about 0.60 per cent or a standard error of \$1.60 (0.60 per cent of \$267). Therefore there are about two chances in three that the mean weekly earnings of female full-time employees would fall within the range \$265.40 to \$268.60, and about nineteen chances in twenty that they would fall within the range \$263.80 to \$270.20.

6. As can be seen from the standard error tables, *the smaller the estimate the higher is the relative standard error*. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, estimates less than the lowest levels shown in the standard error table have not been published. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

7. Proportions and percentages formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and the denominator. An approximate relative standard error (RSE) of a proportion may be calculated by the following formula:

$$RSE (x/y) = \sqrt{[RSE (x)]^2 + [RSE (y)]^2}$$

8. Considering the example from paragraph 4, the 684,000 females employed part-time represent 34.1 per cent of all 2,004,500 female employees in August 1983. The standard error of 2,004,500 is approximately 11,000 so the relative standard error is 0.6 per cent. The relative

standard error for 684,000 is 1.2 per cent. Applying the above formula, the relative standard error of the proportion is $\sqrt{(1.2)^2 - (0.6)^2}$ or 1.0 per cent, giving a standard error for the proportion (34.1 per cent) of 0.3 percentage points. Therefore, there are about two chances in three that the proportion of females who were part-time employees is between 33.8 per cent and 34.4 per cent and nineteen chances in twenty the proportion is within the range 33.5 per cent to 34.7 per cent.

9. Published figures may also be used to estimate the difference between two survey estimates (of numbers or percentages). Such a figure is itself an estimate and is therefore subject to sampling error. The sampling error of the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate standard error (SE) of the

difference between two estimates (x-y) may be calculated by the following formula:

$$SE(x-y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}$$

While this formula will only be exact for differences between separate and uncorrelated characteristics or subpopulations it is expected to provide a good approximation for all differences likely to be of interest in this publication.

10. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or only a sample.

TABLE A.—STANDARD ERRORS OF ESTIMATES

Size of estimate (persons)	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia	
	—number—								Per cent of estimate	
1,000						250				
1,500						300	410	390		
2,000				460	490	340	470	440		
2,500			630	510	540	380	510	480		
3,000			690	550	590	410	550	510	800	26.7
3,500	920	910	740	590	630	430	590	540	860	24.6
4,000	980	960	780	620	660	460	620	560	920	23.0
4,500	1,000	1,000	820	650	700	480	650	590	970	21.6
5,000	1,100	1,100	860	680	730	500	680	610	1,000	20.0
6,000	1,200	1,200	930	730	790	530	740	650	1,100	18.0
10,000	1,500	1,400	1,200	900	970	640	910	750	1,400	14.0
20,000	2,000	1,900	1,500	1,200	1,300	810	1,200	910	2,000	10.0
50,000	3,000	2,700	2,200	1,600	1,700	1,100	1,700	1,100	2,900	5.8
100,000	3,900	3,500	2,800	2,100	2,200	1,300		1,300	3,900	3.9
200,000	5,000	4,400	3,600	2,600	2,700	1,500			5,100	2.6
300,000	5,800	5,000	4,100	2,900	3,000				6,000	2.0
500,000	6,900	5,800	4,800	3,300	3,500				7,200	1.4
1,000,000	8,500	7,000	5,900						9,100	0.9
2,000,000	10,000	8,400							11,000	0.6
5,000,000									15,000	0.3

TABLE B.—ESTIMATES OF RELATIVE STANDARD ERRORS OF MEANS AND MEDIANS (PER CENT)

Number of employees	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
1,000	23.45	23.45	19.62	16.58	16.58	12.86	16.58	16.58	20.31
1,500	19.15	19.15	16.02	13.54	13.55	10.49	13.54	13.54	16.58
2,000	16.58	16.58	13.87	11.73	11.72	9.08	11.73	11.73	14.36
3,000	13.54	13.54	11.33	9.57	9.57	7.42	9.57	9.57	11.73
5,000	10.49	10.49	8.78	7.42	7.42	5.75	7.42	7.42	9.08
7,000	8.86	8.86	7.42	6.27	6.27	4.86	6.27	6.27	7.68
10,000	7.42	7.42	6.21	5.24	5.25	4.06	5.24	5.24	6.42
15,000	6.06	6.06	5.07	4.28	4.28	3.32	4.28	4.28	5.24
20,000	5.24	5.24	4.39	3.71	3.71	2.87	3.71	3.71	4.54
30,000	4.28	4.28	3.58	3.03	3.03	2.35	3.03	3.03	3.71
50,000	3.32	3.32	2.78	2.35	2.35	1.82		2.35	2.87
70,000	2.80	2.80	2.35	1.98	1.98	1.54			2.43
100,000	2.35	2.35	1.96	1.66	1.65	1.29			2.03
150,000	1.91	1.91	1.60	1.35	1.35				1.66
200,000	1.66	1.66	1.39	1.17	1.17				1.44
300,000	1.35	1.35	1.13	0.96	0.96				1.17
500,000	1.05	1.05	0.88						0.91
700,000	0.89	0.89							0.77
1,000,000	0.74	0.74							0.64
1,500,000	0.61								0.52
2,000,000									0.45
3,000,000									0.37
5,000,000									0.29

